

Notice of Allowability

Application No.

10/667,596

Examiner

Dennis-Doon Chow

Applicant(s)

ASANO ET AL.

Art Unit

2677

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application filed 9/23/03.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DENNIS-DOON CHOW
PRIMARY EXAMINER

Dennis-Doon Chow
Primary Examiner
Art Unit: 2677

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The present invention relates to an active-matrix display device which include pixels (pixel circuits) having display elements arranged in a matrix and which write and display image data with scanning lines and signal lines, and to methods of driving such active-matrix display device. The display device comprises a plurality of pixels, each of the plurality of pixels includes five transistor, four scanning lines, two capacitors and a plurality of power lines.

Miyazawa (US 2004/0100427), in the same display field, discloses an active-matrix display device comprises a plurality of pixels, each of the plurality of pixels includes five transistor, four scanning lines, two capacitors and one power line.

Miyazawa differs from the present claim invention (independent claims 1 and 11) in that Miyazawa does not teach or suggest: the first, second and third power lines (see VCC1, VCC2 AND VCC3 of Fig. 2); the fifth transistor (see 25 of Fig. 2), a first electrode terminal of the fifth transistor is connected with a third power line, a second electrode terminal of the fifth transistor is connected with the second electrode terminal of the first transistor (see 25 of Fig. 2); and the display element to connected to a second power line (see 20 of Fig. 2). In contrast, Miyazawa teaches only one power line (see L1 of Fig. 2), the fifth transistor (Q3 of Fig. 2), a first electrode terminal of the fifth transistor is connected with the only one power line (see L1 of

Fig. 2), a second electrode terminal of the fifth transistor is connected between two capacitors (see Fig. 2), and the display element connected to a ground.

In addition to the above differences, the filing date of the Miyazawa reference (July 31, 2003) is later the priority date of the present invention (October 11, 2002).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis-Doon Chow whose telephone number is 571-272-7767. The examiner can normally be reached on 8:30-5:00.

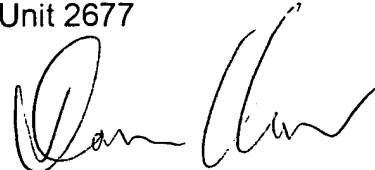
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on 571-272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Chow
March 4, 2006

Dennis-Doon Chow
Primary Examiner
Art Unit 2677



DENNIS-DOON CHOW
PRIMARY EXAMINER